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Mr. Brian Bozzo Compliance Manager Arizona Corporation Commission – Utilities Division 1200 West Washington Street Phoenix, AZ 85007

WS-01303A-02-0867 WS-01303A-02-0868 WS-01303A-02-0869 WS-01303A-02-0870 W-01303A-02-0908

August 10, 2006

RE: Decision No. 67093 (Docket No. WS-01303A-02-0867) Compliance

Brian,

Page 48, lines 6 through 17 of Decision No. 67093, dated June 30, 2004 ordered Arizona-American Water Company to submit water loss reports to the Director of the Utilities Division within 30 days of the end of each six-month period for *one year* after the date of the decision (see Exhibit 1). On February 3, 2005 the Company filed its first compliance report in docket no. 02-0867 (see Exhibit 2). On January 13, 2006 the Company filed its second, and final, compliance report in the form of the pre-filed testimony of Brian Biesemeyer in docket no. 06-0014 (Mohave rate case), thus satisfying the aforementioned compliance requirement (see Exhibit 3). Please accept this filing as resolving any outstanding compliance issues regarding this particular issue. If you have any questions please contact Joel Reiker at 623.445.2490.

Sincerely,

Tom Broderick

EmBroderick

Manager, Rates

cc. Craig Marks, Esq. – AWW

Joel Reiker – AWW

Arizona Corporation Commission
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EXHIBIT 1

XI.

A. Depreciation Rates

OTHER ISSUES

Staff recommends in its testimony that the Company continue to use its current depreciation rates. The Company did not object. This recommendation is reasonable and we will adopt it.

B. Water Loss Reports and Plans

Staff notes in its testimony that the Havasu, Lake Mohave Highlands, Desert Foothills, and Mohave-Main water systems show non-account water losses of greater than 10 percent. Staff recommends that effective upon the date of this Decision, the Company be required to monitor these over-limit systems and submit reports to the Director of the Utilities Division within 30 days after the end of each six-month period for one year, indicating the quantity of water pumped, gallons sold and water loss percentage for each month during that six-month period. Staff recommends that if water loss cannot be reduced to less than 10 percent, the Company be required to submit to the Director of the Utilities Division, within 18 months of this Decision, a plan that outlines the procedures, steps and timeframes to achieve acceptable levels of water loss. The Company did not object to this Staff recommendation. It is reasonable and we will adopt it.

C. Curtailment Plan Tariffs

Staff's testimony recommends that the Company be required to submit, within 90 days of this Decision, Curtailment Plan Tariffs conforming to the sample tariff posted on the Commission's website to the Director of the Utilities Division for review and certification for all the systems in its Mohave Water District, and for its Tubac, Havasu, Sun City, Sun City West, Agua Fria, and Anthem Water Districts. This recommendation is reasonable and will be adopted.

* * * * * * * * *

Having considered the entire record herein and being fully advised in the premises, the Commission finds, concludes, and orders that:

EXHIBIT 2

PIGINAL

OPEN MEETING AGENDA ITEM

Mr. Ernest Johnson

Utilities Director

Arizona Corporation Commission

(Docket No.W-01303A-02-0869)

1200 West Washington Street

Phoenix Arizona 85007

Operations

Name

Brian K. Biesemeyer

Phone

623-815-3125

Fax

623-815-3141

E-Mail

_ -----

ail bbieseme@amwater.com

February 2,2005

RE:

WS-01303A-02-0867

WS-01303A-02-0868 WS-01303A-02-0869

Unaccounted for Water – Arizona American Water, 2004

WS-01303A-02-0870

W-01303A-02-0908

W-01303A-01-0983

Dear Mr. Johnson:

In compliance with Arizona American Water's last Rate Order (Decision No. 67093), the attached spreadsheet documents unaccounted for water in four separate public water systems: Havasu Water, Lake Mohave Highlands, Desert Foothills, and Mohave–Main. In general, when compared to 2003, combined unaccounted for water in these systems trended down in 2004. Unaccounted for water for all four systems was over 14.9% in 2003, and now is slightly less at 12.75%. While the totals for the last six months of data show an even more dramatic decline, it is difficult to determine presently if this is more than a seasonal effect.

Arizona American Water will continue efforts in reducing unaccounted for water during 2005 by doubling expenditures on an accelerated meter replacement program, timelier and more accurate reporting of construction water consumption, and increased diligence in tracking unaccounted for water throughout the year. Arizona American Water remains optimistic that through these efforts, lost water will continue to decline for the systems listed above.

If you have any additional questions about unaccounted for water, please give me a call at (623) 815-3125.

Sincerely,

Brian K. Biesemeyer

Arizona Network General Manager

BX Busing

Enc.

Arizona Corporation Commission

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DOCOMENT CONTROL
AZ CORP COMMISSION

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Arizona American Water

15626 N. Del Webb Boulevard

Sun City, Arizona 85351 USA

T +1 623 815-3125 F +1 623 815 3141

I www.amwater.com



Arizona American Water Report on Unaccounted for Water Mohave County

Note: Large monthly swings in unaccounted for water are due to differences in billing and accounting periods.

Havasu Water 2004 UNACCOUNTED WATER (KGALS)	JUNTED WATER (KGA	TS)	#SMd	08-015			Rts. 2201-2206
	July 2004	August 2004	September 2004	October 2004	November 2004	December 2004	LAST SIX MONTHS - 2004 UNACCOUNTED WATER
Production	20,235	33,397	34,423	20,851	15,299	8,161	132,366
Consumption	15,911	21,801	24,744	18,671	17,460	11,299	109,886
Unaccounted	4,324	11,596	6/9/6	2,180	-2,161	-3,138	22,480
Demont I macrounted	21.37%	34.72%	28.12%	10.46%	-14,13%	-38.45%	16.98%

Nohave Main 2004 UNACOOUNT €D WAT €R (KGALS)	UNT≶D WAT≶R (KGA	-S)	■ SMd	08-032			
	July	August 2004	September 2004	October 2004	November 2004	December 2004	LAST SIX MONTHS - 2004 UNACCOUNTED WATER
Production	202.603	181,554	242,586	178,884	136,906	91,268	1,033,801
Consumption	179.029	294,075	98,332	186,733	125,686	000'68	972,855
Unaccounted	23,574	-112,521	144,254	-7,849	11,220	2,268	60,946
Damont I Insurantinted	11 64%	-A1 98%	50.47%	74308.7	A DOW.	O ABW.	/E C/V/9/

La le Mohave H'ghlanco 2004 UNACCOUNT≷D WAT≶E	UNACCOUNT €D WA	T≅E (KGALS)	PWS	08-062			Rts. • 01
	Jury 2004	August 2004	September 2004	October 2004	November 2004	December 2004	LAST SIX MONTHS - 2004 UNACCOUNTED WATER
Production	2,566	2,724	3,278	2,351	1,847	1,111	13,877
Consumption	2,032	2,402	2,237	2,221	1,924	1,429	12,245
Unaccounted	534	322	1,041	130	-77-	-318	1,632
Percent Unaccounted	20.81%	11.82%	31.76%	5.53%	4.17%	-28 62%	11 78%

Desert Foothills 2004 UNACCOUNTED WATER (KGAL	COUNTED WATER (K	SALS)	#SMd	08-137			Rts. 1131-1136
	July 2004	August 2004	September 2004	October 2004	November 2004	December 2004	LAST SIX MONTHS - 2004 UNACCOUNTED WATER
Production	11,973	12,282	13,985	8,935	12,524	5,474	65,183
Consumption	1,291	11,462	25,900	991	9,358	7,249	56,251
Unaccounted	10,682	820	-11,905	7,944	3,166	-1,775	8,932
Percent Unaccounted	89.22%	6.68%	-85.07%	88.91%	25.28%	-32.43%	13.70%

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	HAVASU	MOHAVE	CMT	DFE	2004
	2004	2004	2004	2004	UNACCOUNTED WATER
Production	255,558	2,068,009	26,272	117,609	2,467,448
Consumption	194,966	1,836,935	20,889	99,982	2,152,772
Unaccounted	60,592	231,074	5,383	17,627	314,676
Percent Unaccounted	23.71%	11.17%	20.49%	14.99%	12.75%

EXHIBIT 3

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

JEFF HATCH-MILLER, Chairman WILLIAM A. MUNDELL MARC SPITZER MIKE GLEASON KRISTIN K. MAYES

IN THE MATTER OF THE APPLICATION OF ARIZONA-AMERICAN WATER COMPANY, AN ARIZONA CORPORATION, FOR A DETERMINATION OF THE CURRENT FAIR VALUE OF ITS UTILITY PLANT AND PROPERTY AND FOR INCREASES IN ITS RATES AND CHARGES BASED THEREON FOR UTILITY SERVICE BY ITS MOHAVE WATER AND WASTEWATER DISTRICTS

DOCKET NO. W-01303A-06- DO14

DIRECT TESTIMONY
OF
BRIAN K. BIESEMEYER
ON BEHALF OF
ARIZONA-AMERICAN WATER COMPANY
JANUARY 13, 2006

	Arizo	KET NO. WS01303A-06 na American Water Company	
	ii .	t Testimony of Brian K. Biesemeyer	
	Page	11	
1		DIRECT TESTIMONY	
2		OF	
3		BRIAN K. BIESEMEYER	
4		ON BEHALF OF	
5		ARIZONA-AMERICAN WATER COMPANY	
6		JANUARY 13, 2006	
7			
8			
9		TABLE OF CONTENTS	
10			
11		EXECUTIVE SUMMARY	iii
12	I.	INTRODUCTION AND QUALIFICATIONS	
13	Π.	PURPOSE OF TESTIMONY, SUMMARY AND CONCLUSIONS	
14	III.	UNACCOUNTED FOR WATER	
15	IV.		
16	V.	STAFFING CHANGES	8

DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page iii

EXECUTIVE SUMMARY

Mr. Brian K. Biesemeyer testifies that:

Mohave Water is comprised of four separate areas. Three areas are in Bullhead City and the fourth Camp Mohave is outside the city and is entirely mobile homes. Desert Foothills is entirely non-mobile homes and Lake Mohave Highlands and Mohave-Main have significant mobile homes as those are older areas of the city. All water is provided from wells and we have a single operations center. The terrain of this service territory is varied, rocky and desert and thus maintaining the proper pressure in the many pressure zones is the primary operational challenge.

Arizona-American Water Company has been filing reports on Unaccounted-for Water in accordance with Commission Decision No. 67093. The reports show the Company's success in reducing unaccounted-for water in the overall Mohave District. With continued and increased focus in the Desert Foothills sub-district, the Company is optimistic it will be able to reduce the unaccounted for water by concentrating on replacing or rebuilding hydrant meters for construction use in addition to scheduled meter replacement.

The Company has accelerated the meter-replacement program by replacing meters after 10 years instead of 15 years or once metered over 1 million gallons.

The Company has also hired an outside contractor to perform comprehensive and detailed leak detection surveys in the older portions of the district.

The Company has added one additional position, a Plant Operator, as a result of test year growth.

The Company will be discussing Fire Flow issues with Bullhead City this year as the City has adopted the National Fire Code.

DOCKET NO. WS01303A-06
Arizona American Water Company
Direct Testimony of Brian K. Biesemeyer
Page 1 of 10
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	1	
1		I. <u>INTRODUCTION AND QUALIFICATIONS</u>
2	Q.	PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND TELEPHONE
3		NUMBER.
4	A.	Brian K. Biesemeyer, 15626 N. Del Webb Blvd, Sun City, AZ, 623-815-3125.
5		
6	Q.	BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
7	A.	I am employed by Arizona-American Water Company ("Arizona-American" or the
8		"Company") and I am the Network General Manager.
9		
10	Q.	WHAT ARE YOUR RESPONSIBILITIES AS THE NETWORK GENERAL
11		MANAGER?
12	A.	I am responsible for customer service, water distribution, and wastewater collection
13		operations statewide serving over 131,000 customers.
14		
15	Q.	PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND.
16	A.	I received a Masters of Science in Civil Engineering, a Masters of Science in Mineral
17		Economics and a Bachelors of Science in Geological Engineering all from the University
18		of Arizona in 1994, 1984, and 1982, respectively.
19		
20	Q.	PLEASE DESCRIBE YOUR PROFESSIONAL EXPERIENCE.
21	A.	I am a Registered Professional Engineer with a Proficiency in Environmental
22		Engineering. I am also a Grade IV Arizona Department of Environmental Quality
23		(ADEQ) Certified Operator in Water Treatment, Water Distribution, Wastewater
24		Treatment, and Wastewater Collection. I have worked in the water industry for over

twelve years in research, government, and the private sector. Prior to my current job, I

	Arizor Direct	XET NO. WS01303A-06 na American Water Company Testimony of Brian K. Biesemeyer 2 of 10
1		was the Operations Manager for Arizona-American's Central Operations which included
2		all operations in Maricopa and Santa Cruz County.
3		
4	Q.	HAVE YOU HAD ANY OTHER RELEVANT PROFESSIONAL EXPERIENCES
5	A.	I am a member of ADEQ's Operator Certification Committee with the responsibility of
6		identifying operator compliance issues and requirements impacting operators and
7		developing and recommending solutions to support ADEQ's operator certification
8		program.
9		
10	Q.	HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION?
1	A.	Yes. I have sponsored testimony in the Company's Paradise Valley rate case (Docket
12		No. WS-01303A-05-0405) and I testified in the recent Water and Sewer Line Protection
13		proceeding (Docket No. WS-01303A-05-0280).
4		
15		II. PURPOSE OF TESTIMONY, SUMMARY AND CONCLUSIONS
6	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?
17	A.	My summary and conclusions are contained in my Executive Summary. The scope of
8		my testimony is:
9		1. Describing our efforts to reduce unaccounted-for water.
20		2. Describing our leak detection and meter replacement programs.
21		3. Describing our staffing changes since the end of the Test Year and any other
22		operations issue relevant to the case.
23		
24	Q.	PLEASE BRIEFLY DESCRIBE WATER AND WASTEWATER OPERATIONS
25		IN THE COMPANY'S MOHAVE DISTRICT.
26	A.	Mohave Water is comprised of four separate areas. Three areas are in Bullhead City and
	H	

DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 3 of 10

the fourth, Camp Mohave, is outside the city and is entirely mobile homes. Desert Foothills is entirely site-built homes, while Lake Mohave Highlands and Mohave-Main have large numbers of mobile homes, as these are older areas of the city. All water is provided from wells and we have a single operations center. The terrain of this service territory is varied, rocky and desert; thus, maintaining proper pressure in the many pressure zones is the primary operational challenge.

Nearly all of Mohave Wastewater's customers are served drinking water by Bermuda Water Company, so there is almost no overlap of the Mohave Water and Wastewater customer bases.

A.

III. UNACCOUNTED-FOR WATER

Q. WHAT IS UNACCOUNTED-FOR WATER?

Unaccounted-for water is water that is not tracked or accounted for as billed water or non-revenue water. Billed water is that water consumption that we bill customers for, typically metered. Non-revenue water is water that is used, but is not billed, such as water used during a fire, water used at company facilities, and water lost during main breaks. Unaccounted-for water is typically water that is lost or stolen. Water loss occurs in systems due to leaks (both small and large) and under-metering (old or malfunctioning meters). Theft of water in Mohave has typically occurred in our new development areas with developers using water through fire hydrants or blow-offs without Company approval or knowledge.

Q. WHY IS IT A CONCERN?

A. Unaccounted for water is largely a concern for conservation of water in our desert environment, but it is also a concern for efficiency of operations and accuracy and

DOCKET NO. WS.-01303A-06-Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 4 of 10 fairness of customer billings. WHAT IS THE LEVEL OF UNACCOUNTED-FOR WATER IN THE ENTIRE Q. MOHAVE WATER DISTRICT? For the most recent twelve months ended December 2005, unaccounted-for water loss in A. the Mohave District as a whole was 11.2%. WHAT ARE THE SPECIFIC CAUSES OF UNACCOUNTED-FOR WATER IN Q. MOHAVE? The typical reasons for unaccounted for water are under reporting of water use by old A. meters and water loss due to leaks and theft. Thefts typically occur when developers or their sub-contractors deliberately underestimate construction water usage or take water from non-metered hydrants. Two other factors contribute to unaccounted-for water in the Mohave Water District. Customer density per pipe mile is low, especially compared to a more urban system. This means that more pipe, interconnections, and pumps are required to serve relatively fewer customers, and line-losses per customer will consequently be higher. Finally, the Mohave Water District's rolling topography results in more areas of high pressure, as water that is pumped uphill, returns downhill. Higher line pressure causes greater line losses. COMMISSION DECISION NO. 67093 REQUIRES THE COMPANY TO FILE A Q. SERIES OF REPORTS DOCUMENTING TRENDS IN UNACCOUNTED-FOR WATER, PARTICULARLY IN THE LAKE MOHAVE HIGHLANDS AND

DESERT FOOTHILLS SECTIONS OF THE MOHAVE DISTRICT. PLEASE

The Company's February 2, 2005, filing indicated percentages of 11.17% for Mohave

SUMMARIZE THE RESULTS OF THOSE REPORTS.

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DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 5 of 10

Main, 20.49% for Lake Mohave Highlands, and 14.99% for Desert Foothills for the twelve months ended December 2004. The Company's July 20, 2005, filing provided only six months-ending data which is not indicative of trends as it is impacted by seasonal variations. The most recent twelve months ended December 2005 data for these communities is 10.0% for Mohave Main, 4.2% for Lake Mohave Highlands and 22.1% for Desert Foothills.

Q. THE UNACCOUNTED FOR WATER IN DESERT FOOTHILLS STILL EXCEEDS 10%. WHAT IS THE COMPANY DOING TO REDUCE THIS FIGURE?

A. The Company has had significant success in reducing unaccounted water in the overall Mohave District and the sub-district area of Mohave Highlands through the end of 2005. The Company has used a similar approach in the Sun Cities to effectively reduce and keep lost water under 10% and I am optimistic we will be successful in Desert Foothills. While the most recent results in the Desert Foothills sub-district area have been disappointing, with continued and increased focus, the unaccounted water in Desert Foothills can also be reduced. The Desert Foothills Water System is relatively new and the unaccounted water in this system is most likely due to under reporting by hydrant meters and developer/subcontractor theft. In 2006, the Company will concentrate on replacing or rebuilding hydrant meters for construction use in addition to the scheduled meter replacement program of 800 meters (throughout the Mohave water system).

To help address theft by developers, constructors, and customers, the company has implemented an employee incentive program, rewarding employees with a potential \$25 bonus for reporting water theft. The incentive is designed to encourage prompt and accurate reporting (paper audit trail) of theft or suspicious acts observed in the field.

DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 6 of 10

The Company has also implemented tighter reporting controls for water lost due to main breaks and for unreported water consumption used for construction purposes. Better reporting of main breaks results in more accurate accounting for water use and helps us better target where we should put our emphasis. In the past, field service representatives have not always completed the forms containing an estimate of the amount of water lost following a main break.

The Company has also hired an outside contractor, Hughes Supply, Inc., to perform comprehensive and detailed leak detection surveys in the older portions of the Mohave and Lake Mohave highlands Systems. While these surveys will not help the newer Desert Foothills System, they will assist the Company in maintaining unaccounted water below 10% for the entire Mohave Water District.

IV. <u>LEAK DETECTION & METER REPLACEMENT PROGRAMS</u>

Q. CAN YOU BE MORE SPECIFIC CONCERNING HOW THE COMPANY'S METER REPLACEMENT PROGRAM IS BEING IMPLEMENTED?

A. In the Mohave District, the Company has implemented a program to replace all meters when they are 10 years or more older, or have metered over 1 million gallons. Previously, the Company had implemented meter replacement after 15 years, however due to the high unaccounted for water in the Mohave District, this time interval has been shortened to 10 years. Additionally, we also instituted a flow limit of 1 million gallons to replace meters that, while relatively new, have seen substantial flow and are therefore more likely to be in error. In 2005, we replaced 1176 meters (1144 x 5/8 inch, 18 x 1 inch, 14 x 2 inch) at a cost of \$43,286. Most of these meters (773) were replaced using the criteria mentioned above. The remainder (403) were replaced due to a noticed error (i.e., stuck or inoperable meter). In 2006, the Company plans to continue with systematic

DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 7 of 10

replacement of 800 meters with an emphasis on many of the larger (2 inch and above) meters including hydrant meters at a planned cost of \$50,000.

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Q. PLEASE PROVIDE MORE SPECIFICS ABOUT THE COMPANY'S LEAK DETECTION PROGRAM?

The Company has contracted with the Utility Services Group of Hughes Supply to 6 A. 7 perform leak detection surveys on older sections of the Lake Mohave Highlands and the 8 overall Mohave Water district starting in January 2006. Hughes Supply offers 9 comprehensive leak-detection surveys using state of the art leak-locating equipment. Hughes Supply has performed previous work for both the Company and for many 10 11 Arizona municipal water providers. The work to be performed includes detailed surveys of over nine miles of main in the Mohave System and three miles of main in the Lake 12 Mohave Highlands. Hughes Supply will furnish detailed reports of the surveys with 13 estimated water loss from leaks identified. The anticipated cost for this initial effort is 14 up to \$8,000 in O&M cost outside of the test year. 15

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Q. IS THE COST TO REDUCE UNACCOUNTED FOR WATER WORTH THE BENEFIT?

A. The Company believes the Commission's clear instruction was to reduce water loss to 10% or less and the Company is incurring costs to address this issue. It is difficult to under-quantify the value of conservation in the desert. I have highlighted the costs of these water-loss reduction programs and indicated which are capital versus O&M as well as the benefits achieved to date. We are replacing meters after 10 years, yet our current depreciation rate for meters is 15 years. Since we did not perform a depreciation study in this rate case, we have not sought to change the meter depreciation rate.

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DOCKET NO. WS.-01303A-06-Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 8 of 10 I look forward to receiving an indication from the Commission as to whether this effort is 1 worth the cost insofar as the net benefits and costs are ultimately borne by our customers. 2 3 4 V. STAFFING CHANGES WHAT STAFFING CHANGES HAVE OCCURRED IN MOHAVE WATER 5 Q. DISTRICT SINCE THE TEST YEAR? 6 In July 2005 we added one additional position, Plant Operator, as a result of prior growth 7 A. in the system. The expense for this position is included in adjusted test year expense as 8 are revenues for customer growth through the end of the test year. 9 10 ARE THERE ANY WATER QUALITY CONCERNS WITHIN ANY AREAS OF Q. 11 THE MOHAVE DISTRICT? 12 Strictly on a compliance basis, no; we meet all ADEQ and EPA primary water quality 13 A. standards. However, we do periodically receive customer complaints about taste, odor, 14 and hardness. The Camp Mohave system in particular has very high levels of 15 manganese, sulfate, and chloride, which leads to water that at times has a brown tint with 16 poor taste and odor qualities. Manganese, sulfate, and chloride are secondary 17 contaminates and as such, do not have enforced Maximum Contaminant Levels or 18 MCL's. 19 20 WHAT ARE THE MANGANESE, SULFATE, AND CHLORIDE LEVELS IN 21 Q. THE CAMP MOHAVE SYSTEM? 22 23 A. In 2005, the sampled levels of manganese, sulfate, and chloride were: 24 Manganese: 0.125 mg/l1182 mg/l 25 Sulfate: Chloride: 377 mg/l 26

DOCKET NO. WS.-01303A-06-Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 9 of 10 The Secondary (non-enforceable) Drinking Water Standard for these contaminants is: Manganese: 0.05 mg/lSulfate: 250 mg/l Chloride: 250 mg/lThe Company plans to make an additional connection to Bermuda Water for purposes of purchasing and blending water. However, we expect only slight improvement in the levels of these contaminants. Q. FIRE FLOW HAS BEEN AN ISSUE IN SEVERAL OTHER COMMUNITITES SERVED BY ARIZONA-AMERICAN. HAS IT BECOME AN ISSUE IN THE **MOHAVE DISTRICT?** In November 2005, the Bullhead City Mayor and the Bullhead City Fire Chief called for A. a meeting with Arizona American Water to discuss this issue. I was unable to attend, however the Mayor and Fire Chief voiced their concern for adequate fire flow to our local Operations Superintendent. The City recently adopted the 2003 International Fire Code and would like to see a minimum of 1000 gallons-per-minute flow throughout Bullhead City. Currently our system cannot meet this standard in many locations. I am working to schedule a meeting in early 2006 to continue the discussion on the issue. IF BULLHEAD CITY CONTINUES TO PUSH FOR FIRE FLOW SYSTEM Q. IMPROVEMENTS, HOW DO YOU INTEND TO HANDLE THEIR CONCERNS? A. We have been very successful in two communities, Paradise Valley and Sun City/Youngtown, in forming community-based task forces to address this issue in a

comprehensive and strategic manner. I would propose the same task force approach with

Bullhead City. These investments are discretionary in nature and the community support

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DOCKET NO. WS.-01303A-06-____ Arizona American Water Company Direct Testimony of Brian K. Biesemeyer Page 10 of 10

in Paradise Valley has been strong and unwavering. In Sun City / Youngtown, we are still attempting to build community understanding and support for the willingness to pay increased water rates to support the required infrastructure investments to increase fire flows. This same cooperative effort between the Company, the community and the Commission would be necessary in Bullhead City.

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Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

A. Yes.